

# Nicholas J W Rattray

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4085116/publications.pdf>

Version: 2024-02-01

38  
papers

1,831  
citations

448610

19  
h-index

355658

38  
g-index

42  
all docs

42  
docs citations

42  
times ranked

3624  
citing authors



#	ARTICLE	IF	CITATIONS
19	BreathDx – molecular analysis of exhaled breath as a diagnostic test for ventilator-associated pneumonia: protocol for a European multicentre observational study. <i>BMC Pulmonary Medicine</i> , 2017, 17, 1.	0.8	84
20	Environmental Influences in the Etiology of Colorectal Cancer: the Premise of Metabolomics. <i>Current Pharmacology Reports</i> , 2017, 3, 114-125.	1.5	46
21	Systems biology guided by XCMS Online metabolomics. <i>Nature Methods</i> , 2017, 14, 461-462.	9.0	168
22	Pharmacometabolomics and Precision Medicine Special Issue Editorial. <i>Metabolomics</i> , 2017, 13, 1.	1.4	9
23	Bioinformatics for the synthetic biology of natural products: integrating across the Design-Build-Test cycle. <i>Natural Product Reports</i> , 2016, 33, 925-932.	5.2	58
24	Classification of <i>Bacillus</i> and <i>Brevibacillus</i> species using rapid analysis of lipids by mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 7865-7878.	1.9	17
25	SYNBIOCHEM – a SynBio foundry for the biosynthesis and sustainable production of fine and speciality chemicals. <i>Biochemical Society Transactions</i> , 2016, 44, 675-677.	1.6	7
26	FUM2, a Cytosolic Fumarase, Is Essential for Acclimation to Low Temperature in <i>Arabidopsis thaliana</i> . <i>Plant Physiology</i> , 2016, 172, 118-127.	2.3	48
27	Electronic cigarette exposure triggers neutrophil inflammatory responses. <i>Respiratory Research</i> , 2016, 17, 56.	1.4	117
28	Metabolic analysis of the response of <i>Pseudomonas putida</i> DOT-T1E strains to toluene using Fourier transform infrared spectroscopy and gas chromatography mass spectrometry. <i>Metabolomics</i> , 2016, 12, 112.	1.4	9
29	Meat, the metabolites: an integrated metabolite profiling and lipidomics approach for the detection of the adulteration of beef with pork. <i>Analyst</i> , The, 2016, 141, 2155-2164.	1.7	106
30	High-throughput metabolic screening of microalgae genetic variation in response to nutrient limitation. <i>Metabolomics</i> , 2016, 12, 9.	1.4	35
31	Metabolomic analysis of riboswitch containing <i>E. coli</i> recombinant expression system. <i>Molecular BioSystems</i> , 2016, 12, 350-361.	2.9	16
32	Towards Improving Point-of-Care Diagnosis of Non-malaria Febrile Illness: A Metabolomics Approach. <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0004480.	1.3	16
33	Biochemical Analyses of Sorghum Varieties Reveal Differential Responses to Drought. <i>PLoS ONE</i> , 2016, 11, e0154423.	1.1	48
34	Metabolomics Analysis Reveals the Participation of Efflux Pumps and Ornithine in the Response of <i>Pseudomonas putida</i> DOT-T1E Cells to Challenge with Propranolol. <i>PLoS ONE</i> , 2016, 11, e0156509.	1.1	11
35	Metabolomics investigation of recombinant mTNF $\alpha$ production in <i>Streptomyces lividans</i> . <i>Microbial Cell Factories</i> , 2015, 14, 157.	1.9	18
36	Metabolic Profiling of <i>Geobacter sulfurreducens</i> during Industrial Bioprocess Scale-Up. <i>Applied and Environmental Microbiology</i> , 2015, 81, 3288-3298.	1.4	26

#	ARTICLE	IF	CITATIONS
37	UbiX is a flavin prenyltransferase required for bacterial ubiquinone biosynthesis. Nature, 2015, 522, 502-506.	13.7	168
38	New cofactor supports $\hat{1}\pm, \hat{1}^2$ -unsaturated acid decarboxylation via 1,3-dipolar cycloaddition. Nature, 2015, 522, 497-501.	13.7	197